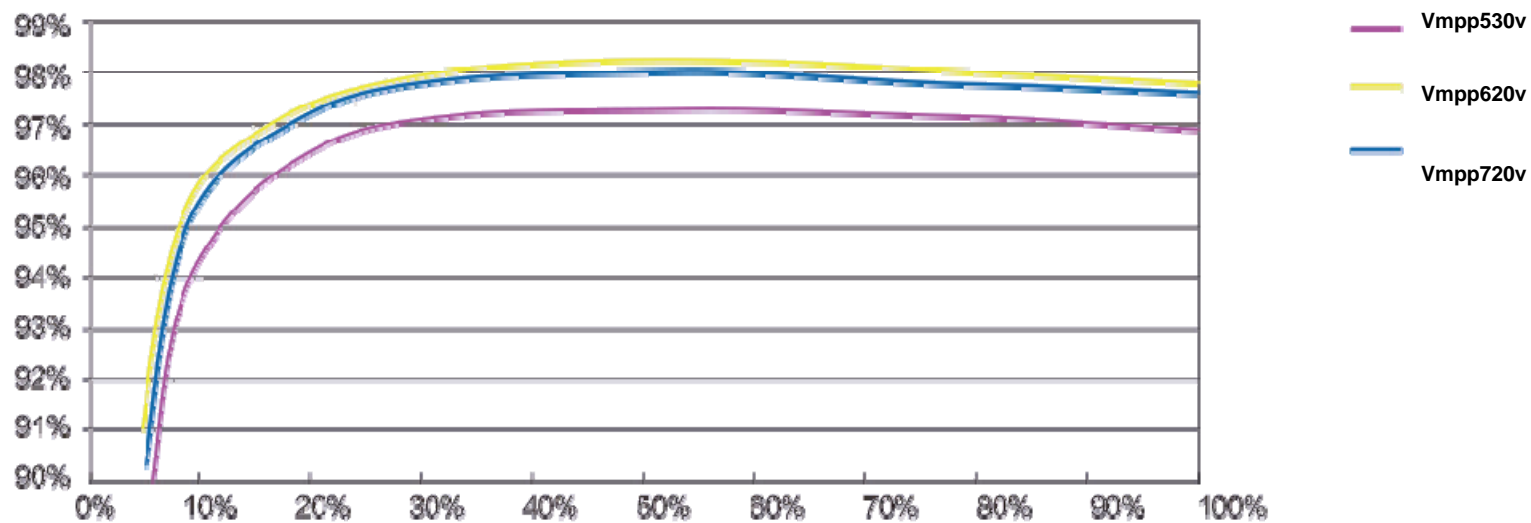




## NAC8-12K-DT

### Features:

- DC Voltage 1100V
- Dual MPPT
- High efficiency topology, maximum efficiency >98.2%
- Natural air cooling
- IP65
- Wall mounted installation



Model	NAC8K-DT	NAC10K-DT	NAC12K-DT
Rated AC Power	8000 W	10000 W	12000 W
Max. Output Power	9000 VA	11000 VA	13000 VA
DC Input Data			
Max. DC Power	10000 W	12000 W	14000 W
Max. DC Voltage	1100V	1100V	1100V
MPPT voltage range	250 ~ 950 V		
Min. DC voltage	180 V		
Start Voltage	380 V		
No. of MPPT trackers	2		
Max. Input Current	12 A / 12 A		
No. of Input Strings per Tracker	1		
Type of DC Connector	H4 / MC4		
AC Output Data			
Rated AC Current	11.0 A	14.0A	17.0 A
Max. AC Current	13.0 A	16.0 A	19.0 A
Nominal AC Voltage	400 Vac; 3W+PE / 3W + N + PE		
Grid frequency	50 Hz / 60 Hz		
AC voltage range	320 ~ 480 V		
Grid Frequency Range	45~55 Hz / 55~65 HZ		
Power Factor	0.8leading ~0.8lagging ( full load)		
Total Harmonic Distortion [THDi]	< 3%		
Efficiency			
Max.Efficiency	98.1%	98.2%	98.3%
Euro Efficiency	97.6%	97.6%	97.8%
MPPT Accuracy	> 99.5%	> 99.5%	> 99.5%

Model	NAC8K-DT	NAC10K-DT	NAC12K-DT
Protection			
DC switch	Integrated		
DC Insulation Monitoring	Integrated		
Input Reverse Polarity Protection	Integrated		
Output Over Current Protection	Integrated		
Anti-island Protection	Integrated		
GFCI Monitoring	Integrated		
OverHeat Protection	Integrated		
General Data			
Size(Width*Height*Depth)	330 x 470 x 210 mm		
Weight	21 kg		
Mounting	Wall Hangings		
User Interface	LCD		
Communication	RS485 / WiFi / GPRS		
Ambient Temperature Range	-25 °C ~ 60 °C ( >45°C Derating Operation )		
Relative Humidity	0 ~ 100% ( No condensation)		
Operating Altitude	4000m ( >2000m Derating Operation )		
Standby Self Consumption	< 0.2W		
Topology	Transformerless		
Cooling	Natural Convection		
Protection Grades	IP65		
Noise	< 35 dB		
Warranty	5 year(Standard),10/15/20/25 year(Optional)		
Certifications & Standards	IEC 62109-1 , IEC 62109-2 , EN 61000-2 , EN61000-3 , AS/NZS 3100 VDE-AR-N-4105 , VDE 0126-1-1+AC , CE , G83/2 , UTE C15-712-1 , MEA , PEA , AS4777 , NB/T 32004-2013		